

WHAT IS CLAIMED IS:

5 1. An implant for implantation in a <sup>breast</sup> human-body comprising at least an outer shell of a resorbable material, the implant being formed to fit the shape and size of a cavity in the <sup>breast</sup> human-body, the implant supporting tissue surrounding the cavity upon implantation and allowing for in-growth of fibrous tissue into and replacing at least the outer shell.

2. The implant of claim 1, wherein the entire implant is formed of the resorbable material.

3. The implant of claim 1, wherein the resorbable material is elastically compressible.

4. The implant of claim 1, wherein the resorbable material is formed from one of a self-expanding foam, a compressible sponge, and a non-compressible sponge.

5. The implant of claim 1, further comprising a core provided inside and surrounded by the resorbable material.

6. The implant of claim 4, wherein the core is filled with autologous material.

7. The implant of claim 1, wherein the implant is capable of carrying other substances such as radiation material, antibiotics, chemotherapies, cancer

therapies, hemostatic material, hormone therapies, and radiographic markers.

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8. The implant of claim 1, further comprising at least one therapeutic or diagnostic substance.

9. The implant of claim 8, wherein the at least one substance is selected from the group consisting of radiation material, antibiotics, chemotherapies, cancer therapies, hemostatic material, hormone therapies, and radiographic markers.

10. A method for replacing excised tissue with an implant comprising the steps of:

forming the implant having at least an outer shell made of a resorbable material; and

implanting the implant so as to replace the excised tissue, the material supporting surrounding tissue upon implantation and allowing for in-growth of fibrous tissue.

11. The method of claim 10, wherein the entire implant is made of the resorbable material.

12. The method of claim 10, wherein the resorbable material is elastically compressible, and the step of implanting includes the step of compressing the resorbable material.

13. The method of claim 10, wherein the resorbable material is formed from a self-expanding foam,

14. The method of claim 10, further comprising the step of introducing into the implant at least one of a medicinal, therapeutic or diagnostic substance.

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